

AMENDMENTS TO THE CLAIMS

A complete set of claims showing the requested amendments is shown below:

1. (Previously presented) Wheel set guidance assembly for connecting a wheel set bearing of a wheel set to a bogie frame, comprising individual vertical, lateral and longitudinal guidance elements for independent guidance of the movement of the wheel set in vertical, lateral and longitudinal directions wherein the stiffness of each guidance element can be selected independently of the other guidance elements, and wherein the longitudinal guidance element is a longitudinally arranged wheel set linkage bar for connecting the bogie frame and a wheel set bearing flexibly to allow guidance of a turning movement of the wheel set on curved tracks.
2. (Previously presented) Wheel set guidance assembly according to claim 1, wherein the longitudinal linkage bar has a length extending towards a centre bogie console) in the longitudinal centre position of the bogie frame
3. (Previously presented) Wheel set guidance assembly according to claim 2, wherein the wheel set linkage bar is connected to a longitudinal inward position of the wheel set bearing with a flexible coupling.
4. (Previously presented) Wheel set guidance assembly according to claim 3, wherein the wheel set linkage bar is flexibly connected at approximately a height of a wheel set axle and extends essentially horizontally to flexibly connect to the center bogie console.
5. (Previously presented) Wheel set guidance assembly according to claim 1, wherein the lateral guidance element is a spring element of anisotropic stiffness engaging a guidance pin.
6. (Previously presented) Wheel set guidance assembly according to claim 5, wherein the stiffness of the spring element in the lateral direction is higher than the stiffness in the longitudinal and vertical directions.

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7. (Previously presented) Wheel set guidance assembly according to claim 6, wherein the spring element comprises rubber-metal elements arranged in lateral direction only.

8. (Previously presented) Wheel set guidance assembly according to claim 5, wherein the guidance pin is rigidly mounted in the bogie frame protruding in the spring element rigidly mounted on the wheel set bearing.

9. (Previously presented) Wheel set guidance assembly according to claim 5, wherein the guidance pin is rigidly mounted on the wheel set bearing protruding in the spring element rigidly mounted in the bogie frame.

10. (Previously presented) Wheel set guidance assembly according to claim 1, wherein the vertical guidance element is at least one vertically arranged coil spring connecting the wheel set bearing and the bogie frame.

11. (Previously presented) Wheel set guidance assembly according to claim 10, having two coil springs on each side in longitudinal direction of the wheel set bearing and arranged adjacent to a wheel set axle position.

12. (Previously presented) Wheel set guidance assembly according to claim 10, wherein the coil spring is combined with a lateral guidance element comprising a spring element of anisotropic stiffness positioned below, in or above the coil spring and engaging a guidance pin positioned inside the coil spring.

13. (Previously presented) Wheel set guidance assembly according to claim 1, wherein the longitudinal linkage bar (40) has a length extending towards a centre bogie console (100) in the longitudinal centre position of the bogie frame (30), wherein the vertical guidance element is at least one vertically arranged coil spring connecting the wheel set bearing and the bogie frame and wherein the lateral guidance element is a spring element of anisotropic stiffness engaging a guidance pin.

14. (Currently amended) A bogie comprising a wheel set guidance assembly for connecting a wheel set bearing of a wheel set to a bogie frame, comprising individual vertical

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lateral and longitudinal guidance elements for independent guidance of the movement of the wheel set in vertical, lateral and longitudinal directions wherein the stiffness of each guidance element can be selected independently of the other guidance elements, and wherein the longitudinal guidance element is a longitudinally arranged wheel set linkage bar for connecting the bogie frame and a wheel set bearing flexibly to allow guidance of a turning movement of the wheel set on curved tracks, as defined in claim.

15. (Currently amended) The bogie according to claim 14 comprising two wheel sets both provided with a wheel set guidance assembly for connecting a wheel set bearing of a wheel set to a bogie frame, comprising individual vertical, lateral and longitudinal guidance elements for independent guidance of the movement of the wheel set in vertical, lateral and longitudinal directions wherein the stiffness of each guidance element can be selected independently of the other guidance elements, and wherein the longitudinal guidance element is a longitudinally arranged wheel set linkage bar for connecting the bogie frame and a wheel set bearing flexibly to allow guidance of a turning movement of the wheel set on curved tracks, according to claim 1.

16. (Currently amended) A method for providing a bogie with ~~optimised~~ wheel set guidance comprising the steps of:

- providing a bogie comprising a wheel set guidance assembly comprising individual vertical, lateral and longitudinal guidance elements and
- selecting the stiffness of each guidance element in vertical, lateral and longitudinal directions independently of the stiffness of the other guidance elements to optimise the wheel set guidance in view of the requirements of a particular application of the bogie.

17. (Currently amended) The method according to claim 16, wherein the wheel set guidance assembly is ~~at~~ the wheel set guidance assembly for connecting a wheel set bearing of a wheel set to a bogie frame, comprising individual vertical, lateral and longitudinal guidance elements for independent guidance of the movement of the wheel set in vertical, lateral and longitudinal directions wherein the stiffness of each guidance element can be selected independently of the other guidance elements, and wherein the longitudinal guidance element is a longitudinally arranged wheel set linkage bar for connecting the bogie frame and a wheel

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set bearing flexibly to allow guidance of a turning movement of the wheel set on curved tracks, according to claim 1.

18. (Canceled).

19. (Previously presented) Wheel set guidance assembly for connecting a wheel set bearing of a wheel set to a bogie frame, comprising individual vertical, lateral and longitudinal guidance elements for independent guidance of the movement of the wheel set in vertical, lateral and longitudinal directions wherein the stiffness of each guidance element can be selected independently of the other guidance elements and wherein the lateral guidance element is a spring element of anisotropic stiffness engaging a guidance pin.

20. (Previously presented) The wheel set guidance assembly according to claim 19, wherein the vertical guidance element is at least one vertically arranged coil spring and the guidance pin is positioned inside the coil spring.

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